### IN THE CLAIMS

Attached is a listing of the claims in accordance with the revised format of amending. Claims 3, 59, 62 and 73 have been currently amended.

1. (Original) An anastomosis connector, comprising:

a plurality of ring segments, together defining a radially expandable ring-like shape having a lumen;

at least one pivot bar coupled to at least one of said ring segments; and at least one spike mounted on said pivot bar and rotatable around said pivot bar,

wherein radial deformation of said ring-like shape does not substantially directly affect said spike rotational position.

2. (Original) A connector according to claim 1, wherein rotation of the pivot bar is mechanically decoupled from radial deformation of ring-like shape.

3. (Currently amended) A connector according to claim 2, wherein said at least one pivot bar comprises at least east two pivot bars, wherein said at least one spike is mounted on a first one of said pivot bars and said first pivot bar is mounted on the other pivot bar.

- 4. (Original) A connector according to claim 1, wherein said at least one spike is pointed towards said ring-like shape.
- 5. (Original) A connector according to claim 1, wherein said at least one spike is pointed away from said ring-like shape.
- 6. (Original) A connector according to claim 1, wherein said at least one spike comprises at least two spikes, each mounted on a separate pivot bar, wherein said spikes point in opposite directions along an axis of said connector.
- 7. (Original) A connector according to claim 1, wherein said connector is designed such that said at least one spike remains outside of a side vessel in an end-to-side anastomosis.



- 8. (Original) A connector according to claim 1, wherein said connector is designed such that said at least one spike enters a side vessel in an end-to-side anastomosis.
- (Original) A connector according to claim 1, wherein said pivot bar is comprised in a spike element.
- 10. (Original) A connector according to claim 9, wherein said spike element comprises two opposing spikes.
- 11. (Original) A connector according to claim 9, wherein said spike element interconnects two adjacent ring segments.
- 12. (Original) A connector according to claim 9, wherein said spike element is attached to only a single ring element.
- 13. (Original) A connector according to claim 1, wherein said at least one spike has a tip adapted to penetrate a blood vessel.
- 14. (Original) A connector according to claim 1, wherein said at least one spike has a tip adapted to lay against a blood vessel without penetrating it.
- 15. (Original) A connector according to claim 1, wherein said connector is heat-treated to have said at least one spike perpendicular to said ring.
- 16. (Original) A connector according to claim 1, wherein said connector is heat-treated to have said at least one spike parallel to said ring.
- 17. (Original) A connector according to claim 1, wherein said connector is heat-treated to have said at least one spike bend.
- 18. (Original) A connector according to claim 1, wherein said connector is heat-treated such that said at least one spike does not bend.



- 19. (Original) A connector according to claim 1, wherein said connector is heat-treated such that said pivot bar is twisted.
- 20. (Original) A connector according to claim, 1, wherein said connector is heat-treated such that said pivot bar is not twisted.
- 21. (Original) A connector according to claim 1, wherein said pivot bar is within an axial extent of said ring-like shape.
- 22. (Original) A connector according to claim 21, wherein said pivot bar is substantially centered relative to said ring like shape.
- 23. (Original) A connector according to claim 1, wherein said pivot bar is outside an axial extent of said ring-like shape.
- 24. (Original) A connector according to claim 1, wherein said pivot bar is comprised in a pivot mechanism.
- 25. (Original) A connector according to claim 24, wherein said pivot mechanism is directly mounted onto at least one of said ring elements.
- 26. (Original) A connector according to claim 24, wherein said pivot mechanism is coupled via a single extension to at least one of said ring elements.
- 27. (Original) A connector according to claim 24, wherein said pivot mechanism is coupled via at least two extensions to at least one of said ring elements.
- 28. (Original) A connector according to claim 24, wherein said pivot bar is coupled to said pivot mechanism via a hinge at each end of said pivot bar.



- 29. (Original) A connector according to claim 28, wherein said hinge comprises a thickening of said mechanism relative to said pivot bar.
- 30. (Original) A connector according to claim 24, wherein said connector comprises a plurality of alternating ring segments and pivot bar mechanism and wherein said pivot bar mechanisms are axially staggered, to allow a greater radial compression of said ring-like shape.
- 31. (Original) A connector according to claim 1, wherein said pivot bar is straight.
- 32. (Original) A connector according to claim 1, wherein said pivot bar is piece-wise straight.
- 33. (Original) A connector according to claim 1, wherein said pivot bar is curved.
- 34. (Original) A connector according to claim 1, wherein said connector is packaged.
- 35. (Original) A connector according to claim 34, wherein said packaging indicates a particular vessel type for said connector and for which said connector is adapted.
- 36. (Original) A connector according to claim 35, wherein said vessel type comprises a femoral artery.
- 37. (Original) A connector according to claim 35, wherein said vessel type comprises an aorta.
- 38. (Original) A connector according to claim 34, wherein said packaging indicates a particular vessel size for said connector and for which said connector is adapted.
- 39. (Original) A connector according to claim 34, wherein said packaging indicates a particular vessel wall thickness for said connector and for which said connector is adapted.
- 40. (Original) A connector according to claim 39, wherein said ring-like shape has an axial extent smaller than said wall thickness.

- 41. (Original) A connector according to claim 34, wherein said packaging indicates a particular connection geometry for said connector and for which said connector is adapted.
- 42. (Original) A connector according to claim 41, wherein said geometry is a side-to-end geometry.
- 43. (Original) A connector according to claim 34, wherein said packaging indicates a particular oblique angle geometry for said connector and for which said connector is adapted.
- 44. (Original) A connector according to claim 1, wherein said at least one spike is cut out of an opposing spike of said connector.
- 45. (Original) A connector according to claim 1, wherein at least one of said ring segments comprises a plurality of axially spaced elements.
- 46. (Original) A connector according to claim 45, wherein said plurality of elements comprises at least three elements.
- 47. (Original) A connector according to claim 45, wherein said plurality of elements comprises at least four elements.
- 48. (Original) A connector according to claim 45, wherein said plurality of elements comprises at least five elements.
- 49. (Original) A connector according to claim 45, wherein all of said plurality of elements have a same geometry.
- 50. (Original) A connector according to claim 45, wherein at least two of said plurality of elements have mirrored geometries.

- 51. (Original) A connector according to claim 45, wherein at least one of said plurality of elements has a single curve geometry.
- 52. (Original) A connector according to claim 45, wherein at least one of said plurality of elements has a dual curve geometry.
- 53. (Original) A connector according to claim 45, wherein at least one of said plurality of elements has at least three curves defined thereby.
- 54. (Original) A connector according to claim 45, wherein at least one of said plurality of elements has a varying width.
- 55. (Original) A connector according to claim 45, wherein all of said plurality of elements have a constant width.
- 56. (Original) A connector according to claim 45, comprising a strain dissipation element at a point of connection of at least one of said elements and a spike element to which said ring segment is attached.
- 57. (Original) A connector according to claim 56, wherein said strain dissipation element comprises a thickening of said axially spaced element.
- 58. (Original) A connector according to claim 57, wherein said thickening defines an aperture.
- 59. (Currently amended) A method of everting a blood vessel, comprising: engaging a tip of said vessel at a plurality of points around its circumference; inverting said tip by inverting said engaged points; and pulling said inverted points towards a distal end of said blood vessel.
- 60. (Previously presented) A method according to claim 59, wherein said plurality comprises at least four points.

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- 61. (Original) A method according to claim 59, wherein said engaging comprises engaging using forceps and wherein said inverting comprises rotating said forceps.
- 62. (Currently amended) A method according to any one of claims 59-61, wherein said pulling comprises pulling different ones of said points different amounts.
- 63. (Original) Apparatus for graft eversion of a graft over a shaft having a tip, comprising: a handle for engaging said shaft;
- a plurality of forceps arranged to engage a tip of said graft where it protrudes form said shaft; and
- a plurality of joints, each one associated with one of said forceps, for rotating said forceps pulling a tip of each of said forceps axially along said shaft.
- 64. (Original) A method of measuring a graft size, comprising:

mounting a tip of said graft on two extensions, one extension coupled to a spring and one extension coupled to a handle;

manipulating said handle such that said extensions separate; reading a measurement on a scale coupled to said spring; and selecting an anastomosis connector responsive to said read measurement.

- 65. (Original) A method according to claim 64, comprising further manipulating said handle to stretch said graft tip.
- 66. (Previously presented) A hole puncher, comprising:
  - a sharp tip for forming a puncture in a blood vessel;

a shaft having a varying diameter and having a depression formed therein for engaging a wall of said blood vessel, said diameter substantially matching a diameter of said tip at one end of the shaft, said diameter increasing away from said tip for a first distance and said diameter then defining a slope of diminishing diameter towards said depression; and

an outer tube mounted on said shaft and having an end, said outer tube having an inner diameter of said end that is in a range of diameters defined by said slope of diminishing diameters.

- 67. (previously amended) A puncher according to claim 66, wherein said end of said outer tube has a smaller outer diameter that a more proximal portion of said outer tube.
- 68 (Original) A puncher according to claim 66 or claim 67, wherein said diminishing diameter slope is obliquely arrange around said shaft.
- 69. (Original) A method of forming an oblique anastomosis connector, comprising: providing a non-oblique anastomosis connector; mounting said connector in a restraint; manipulating said restraints to deform said connector to a desired degree of obliqueness; and heat-treating said connector after said manipulation, to maintain said distortion.
- 70. (Original) A method according to claim 69, comprising heat-treating said connector prior to said mounting, to train a deformation of a spike portion of said connector.
- 71. (Original) A side mounted delivery system, comprising:

  a handle including an opening in its side;

  a graft delivery tool adapted to fit through said opening; and

  a groove and projection mechanism slidably interconnecting said tool and said handle.
- 72. (Original) A system according to claim 71, comprising a snap-lock mechanism for axially fixing said handle relative to said tool.
- 73. (Currently amended) A method according to any <u>one</u> of claims 59-61, wherein said points are inverted simultaneously.